



Daily Drilling Report

Well ID: 42-383-39869

Field: Impossible

SEM Operating Company, LLC

Well Name: University 9 2902WB

Sect: 29 County: Reagan State: TX

Report No: 10

Report For 06:00 AM 14-Jul-17

Operator:	SEM OPERATING	Rig:	H&P 467	Spud Date:		Daily Cost / Mud (\$):	53,982 / 7,860
Measured Depth (ft):	5297	Drilling Days (act.):	10	Well Bore:	Original Well Bore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	5292	Drilling Days (plan):		RKB Elevation (ft):	0.00	041717	6,063,125 444,510
Proposed TD (ft):		Days On Location:	10	Last BOP Test:			
Hole Made (ft) / Hrs:	27 / 2.5	Last Casing:	13.38 at 745			Totals:	6,063,125 444,510
Average ROP (ft/hr):	10.8	Next Casing:		Working Interest:		Well Cost (\$):	444,510
Pers/Hrs:	Operator: 2 / 24	Contractor:	11 / 132	Service:	6 / 72	Other:	0 / 0
						Total:	19 / 228

SafetySummary: No incidents or events reported. 7 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: TRIPPING OUT OF HOLE @ 4000'

Planned Operations: TRIP OUT OF HOLE TROUBLE SHOOT MWD AND MUD MOTOR, TRIP IN HOLE, DRILL 12 1/4" HOLE

Toolpusher: LUKE BOYD

Wellsite Supervisors: BRUCE DELAUGHTER, DARYL MCENTYRE

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	6:30	0.50	5,282	DRILR	ROTATE DRILL FROM 5,270' TO 5,282', GPM 450, PSI 980, WOB 30, RPM 40, TQ 10	
6:30	8:00	1.50	5,282	CIRC	CIRCULATE B/U AND BRING WEIGHT BACK UP TO 9.1H BEFORE POOH FOR BIT	X
8:00	9:30	1.50	5,282	TRPO	POOH TO 1,00'	X
9:30	10:00	0.50	5,282	INSTAL	REMOVE ROTATING HEAD	X
10:00	11:30	1.50	5,282	TRPO	FINISH POOH TO TOOLS	X
11:30	15:30	4.00	5,282	DIR	LAY DOWN DIRECTIONAL TOOLS, STABILIZERS AND BIT, PICK UP NEW BIT, MOTOR AND MWD AND TEST GOOD	X
15:30	16:30	1.00	5,282	TRPI	TIH TO 950'	X
16:30	17:00	0.50	5,282	INSTAL	INSTALL ROTATING HEAD	X
17:00	19:00	2.00	5,282	TRPI	TIH FROM 950' TO 4465' BREAKING CIRC @ 1163'	X
19:00	22:00	3.00	5,282	TRPO	TOOH F/4465' TO 2400' ATTEMPTING TO REGAIN CIRC 100% FLOW AT 2400'	X
22:00	2:30	4.50	5,282	TRPI	TIH F/2400' BREAKING CIRC EVERY 5 STD CIRC BOTTOMS UP EVERY 10 STD GETTING FULL RETRUNS	X
2:30	4:30	2.00	5,297	DRILR	DRILL F/5282' TO 5297', TROUBLE SHOOT AND ATTEMPT TO GET A PULSE FROM MWD TOOL, DRILL WITH 30 RPM, WOB 25K NO DIFF, PRESSURE DROPS FROM 1350 PSI TO 1225 WHEN ROT	X
4:30	6:00	1.50	5,297	TRPO	TRIP OUT HOLE FROM 5297' TO 4000'	X

Casing/Tubular Information

Type	Size (ins)	Top MD (ft)	Top TVD (ft)	Bottom MD (ft)	Bottom TVD (ft)	Hole Section	OH Diam. (ins)	Nom. Wgt. (lbs)	Nominal Grade	LOT (lbs/gal)
FULL	13.38	0		745		SURF				

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
041717	D & C a 7500' Lateral horizontal	6,063,125.00	7,860.42	39,803.65	53,982.42	444,509.65	7.33 %
	Totals \$:	6,063,125.00	7,860.00	39,804.00	53,982.00	444,510.00	7.33 %

Mud Information

%																Gels			Temp		Mud
Dens.	Vis	PV	YP	Filt.	Cake	pH/ES	Solids	Oil	Water	Sand	LGS	Cl	Ca	CaCl	10s	10m	30m	In	Out	Loss	
13-Jul-17 22:00 at Depth 5,282 ft Mud Pits, Type: Saturated Salt Mud																					
9.20	38.00	6.00	2.00		1	8.8	5.9		94.1		5.1	18000	600		7	12		88.00			

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AGRI PLUG (40) - 40#SK	30	241.80	Barite - EA	248	3,104.96
BLUE MAX - 5GAL	2	85.66	Cedar Fiber Fine - 50#SK	26	211.12
Cottonseed hulls - 40#SK	2	24.00	DeFOAMER - 5GAL	4	308.80
Drilling paper - EA	9	114.75	ENGINEER - EA	1	800.00
ENGINEERING diem - EA	1	50.00	Gel - 100#SK	214	2,054.40
Restocking Fee - EA	202	101.00	Soad ash - 100#SK	1	13.93
Trucking - EA	1	750.00			



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Bit/BHA/Workstring Information

				Depth		This Run		R.O.P.				Mud		Pump					
No	Run	Make	Model	Diam	In	Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow	Press	J. Vel	P. Drp	HHP	JIF
1	1	NOV	SK716M	12.25	750	4,547	79.5	57.2	18.0	30.00	40	11,	9	450	1350	56	25	7	118
Jets: 22 22 22 22 22 22 22					Out: 5282		Grade: Cutter: 1 / 1		Dull: NO / NO			Wear: G		Brgs: Gge: 2		Pull: PR			
BHA - No. 2 - BIT, MMTR, MSUB, NMDC, STAB, NMDC, STAB, SHOCK, 3 DC, XO, 12 DC, JAR, 9 DC, XO = 882.52																			

Drilling Parameters

Depth (ft)		ROP (ft/hr)		WOB (lbs)		RPM		Torque (ft lbs)		Flow (gals/min)		Pressure (psi)
From	To	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	
5,270	5,298	18.0	20.0	25.00	30.00	30	40	9,000.00	11,000.	450.00	450.00	1,250.00
Annular Velocity:		Drill Collars:		128.2		Drill Pipe:		73.5				

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate: 200.00		Pick Up: 215.00		Slack Off: 180.00		Drag Avg/Max: 10 / 15	
Slow Circulation Data:									
Pump 1:		30 spm	130 psi	40 spm	150 psi	50 spm	180 psi		
Pump 2:		30 spm	130 psi	40 spm	160 psi	50 spm	180 psi		

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom
Shaker No 1:	170	170	170	170
Shaker No 2:	170	170	170	170
Shaker No 3:	170	170	170	170

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	11,798	1,230		10,568	
Office trailer generator	GALS	365	35		330	
Mud	GALS	8,433	0		8,433	

Safety Information

Meetings/Drills	Time	Description
Safety	30	TRIPPING PIPE, DRILLING OPS, MIXING MUD
First Aid Treatments:		Medical Treatments:
Lost Time Incidents:		Days Since LTI: 7
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check	

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	HOUSING		TREND	9240-01	900.00	08-Jul-17	
Frac Tanks	FRAC TANKS		THORPE	9245-01	175.00	08-Jul-17	
PVT	RIG SENSE		TOTCO	9240-01	388.00	08-Jul-17	
Light Tower	LIGHT TOWER		CACTUS	9240-01	125.00	08-Jul-17	
OBM Control	CENTRIFUGES		DES	9210-01	3,050.00	08-Jul-17	
Frac Tanks	OBM STORAGE		PURITY	9210-01	489.00	08-Jul-17	
Trans. Pump	TRANS PUMP		TIGER	9240-01	185.00	08-Jul-17	
Notes: RELEASED 6" PUMP							
H2S	AMPRO H2S		AMPRO	9240-01	100.00	08-Jul-17	
Rig Vac	MUD VAC		KSW	9241-01	200.00	08-Jul-17	
Trans. Pump	TRANSFER PUMP		KSW	9241-01	185.00	11-Jul-17	
Total Daily Rental Cost \$:					5,797.00		